

ABSTRACT OF THE DISCLOSURE

To provide a scintillator panel in which uniform photoelectric converting efficiency is obtained and an image of a high sensitivity and a high sharpness is obtained, a scintillator panel has: a phosphor layer for converting a radiation into light; and a supporting member having a supporting substrate having radiation permeability for supporting the phosphor layer, wherein the supporting substrate is formed by laminating non-conductive layers for assuring non-conductivity of a surface which supports the phosphor layer of the supporting substrate and non-conductivity of an opposite surface which faces the surface and a rigidity holding layer for assuring rigidity of the supporting substrate. Further, moisture-proof metal foils are laminated onto the surface and the opposite surface of the supporting substrate. The panel further includes a moisture resistant protective layer which covers the phosphor layer and the supporting member.